

## Recovery Plan Action Status

**Plan Name:** Recovery Plan for the Northwestern Hawaiian Islands Passerines

**Plan Status:** Final

**Plan Date:** 04-Oct-84

**Lead Agency:** USFWS

**Lead Office:** Pacific Islands Fish And Wildlife Office

(408)

(792-9400 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	111	Maintain refuge restrictions	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System	Other: Law Enforcement	Internal Administrative	Included in Refuge Operations
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	1121	Emphasize refuge restrictions in published materials	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Other: Information and Education	Internal Administrative	Administrative costs projected to be minimal
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	1122	Encourage other agencies to note refuge restrictions	Not Started			Hawaii Department of Land and Natural Resources, U.S. Fish and Wildlife Service, Endangered Species Division, United States Coast Guard	Other: Information and Education, Other: Regulations	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Administrative costs projected to be minimal
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	121	Maintain clearly marked refuge boundaries	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: General	Graduate Student	Included in Refuge Operations

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Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	211	Restrict vessel access to refuge waters	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Coast Guard	Management: General	Contract	Included in Refuge Operations
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	212	Develop education/information programs program for mariners planning to travel near islands	Not Started			U.S. Fish and Wildlife Service National Wildlife Refuge System	Other: Information and Education	Internal Field Assistance, Internal Technical Assistance	Included in Refuge Operations
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	213	Take special precautions for vessel traffic involving landing parties to prevent introduction of alien species	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: General	Internal Administrative	Included in Refuge Operations
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	2211	Coordinate with Coast Guard / other agencies to monitor vessel traffic near islands	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System, United States Coast Guard	Management: General	Internal Administrative	Included in Refuge Operations

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Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	222	Implement exotic organism monitoring plan	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Predator and Competitor Control	Internal Field Assistance	Standby funding needs to be available in an emergency. Monitoring by Refuge staff is ongoing at Laysan and Tern islands; sporadic at Nihoa Island and Pearl and Hermes Reef.
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	223	Keep detection plan operational	Not Started			U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Habitat Maintenance and Manipulation, Management: Planning, Management: Predator and Competitor Control	Contract, Internal Field Assistance, Internal Technical Assistance	No detection plan per se has been developed.
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	231	Determine need to control extant exotics	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Habitat Maintenance and Manipulation	Graduate Student	USFWS recovery funding. Graduate student conducting research on NIMI habitat and habitat use on Nihoa and Laysan, including data on impacts of invasive species on habitat.
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	232	Determine procedures for eliminating rodents, other exotics; incorporate into contingency plan	Partially Complete	Prior to FY 1995		U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Research: Management Techniques	Contract, Internal Field Assistance, Internal Technical Assistance	The remoteness of the islands makes this task especially difficult. Rats have been eradicated from Midway Atoll; Cenchrus echinatus has been nearly eradicated from Laysan Island.

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Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	2332	Periodically check equipment	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: General	Internal Technical Assistance	Included in Refuge Operations
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	2333	Establish/maintain appropriate interagency contacts; make arrangements for logistic support	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Planning	Internal Administrative	Included in Refuge Operations. "Rat-spill" emergency plan in draft form.
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	31	Monitor for diseases	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Disease Control	Graduate Student	Included in Refuge Operations; conducted ad hoc continuously on Laysan and Tern Islands; conducted opportunistically on Nihoa Island and Pearl and Hermes Reef.
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	32	Prevent introduction of disease vectors	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Disease Control	Graduate Student	Included in Refuge Operations; conducted continuously on Laysan and Tern Islands, opportunistically on Nihoa Island and Pearl and Hermes Reef.

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Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	1	332	Capture birds, maintain in disease free environment, as needed	Not Started			U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Disease Control, Management: Propagation, Research: Disease	Contract	Not necessary at this time. Standby funding needs to be available in an emergency.
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	2	41	Monitor populations of all three bird species annually	Ongoing Current	FY 1995 - FY 1999		U.S. Geological Survey, Biological Resources Division, U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Research: Population Surveys	Internal Field Assistance, Internal Technical Assistance, Species Expert	Included in Refuge Operations and Papahānaumokuākea Marine National Monument Management Plan. Monitoring is annual at Laysan and has been annual or 2x each year at Nihoa since 2006. Pearl and Hermes Reef are surveyed opportunistically. Survey methods currently in use are time and labor intensive yet do not yield data adequate for estimating population size or trend with any confidence. We and USGS are collaboratively seeking funds to support development of new monitoring methods for all three passerines; pilot data for this effort are being collected now on Nihoa.

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Nihoa finch (honeycreeper) ( <i>Telespyza ultima</i> ), Nihoa millerbird (old world warbler) ( <i>Acrocephalus familiaris kingi</i> ), Laysan finch (honeycreeper) ( <i>Telespyza cantans</i> )	2	42	Monitor habitat annually	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Research: Habitat Status	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Monitoring is annual only at Laysan Island; populations on Nihoa Island and Pearl and Hermes Reef are surveyed opportunistically. A new project was initiated in 2006 to study habitat and other ecological requirements for the Nihoa Millerbird to provide a foundation for translocation planning. Preliminary work was conducted on Nihoa and Laysan; an intensive study took place in 2007 and we are awaiting results (M.Sc. thesis). Nihoa's habitat is monitored qualitatively on each trip to the island (at least once annually), and significant changes are noted.
Nihoa millerbird (old world warbler) ( <i>Acrocephalus familiaris kingi</i> )	3	511	Reevaluate taxonomic relationship of Laysan and Nihoa millerbird	Complete	FY 2006	FY 2008	Unknown, U.S. Geological Survey, Biological Resources Division	Research: Genetics	Contract, Species Expert	Fleischer, R. C., B. S. Slikas, J. Beadell, C. Atkins, C. E. McIntosh, and S. Conant. 2007. Genetic variability and taxonomic status of the Nihoa and Laysan Millerbirds. Condor 109(4): 954-962.

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Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi)	3	512	Determine if it is justified to move millerbird to Laysan	Complete	FY 2006	FY 2008	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Reintroduction	Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	<p>Morin, M.P. and S. Conant. 2007. Summary of scoping, evaluation, and recommendations for Northwestern Hawaiian Islands passerines translocation sites. Unpublished report to U.S. Fish and Wildlife Service, Honolulu, HI. 129 pp.</p> <p>Appropriate NEPA documents and other regulatory compliance will be completed before any planned translocation is carried out.</p>
Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi)	3	513	Develop plan to translocate millerbird from Nihoa to Laysan	Complete	FY 2006	FY 2011	U.S. Fish and Wildlife Service, Endangered Species Division, U.S. Fish and Wildlife Service National Wildlife Refuge System	Management: Reintroduction	Contract, Internal Technical Assistance	Translocation plan finalized after review by the translocation project's core field team and wider national and international peer review. Response to comments included in final plan. First translocation is planned for September 2011.
Nihoa finch (honeycreeper) (Telespyza ultima), Nihoa millerbird (old world warbler) (Acrocephalus familiaris kingi), Laysan finch (honeycreeper) (Telespyza cantans)	3	52	Maintain captive flocks, as needed	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division	Management: Propagation, Research: Propagation	Contract	This is not deemed to be a priority recovery action for these species at this time. Instead, we are pursuing plans for wild-to-wild translocations.